

## **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 6843-048-304	FOR FURTHER ACTION		on of Transmittal of International Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/mo	nth/year)	Priority date (day/month/year)				
PCT/US03/18499	12 June 2003 (12.06.2003)		13 June 2002 (13.06.2002)				
International Patent Classification (IPC)	or national classification and IPC						
IPC(7): C12N 15/63; C12P 19/34; C12C 24.5	Q 1/68; C07H 21/00, 21/02, 21/04	and US Cl.: 43	5/6, 91.1, 91.31, 455; 536/23.1, 24.31,				
Applicant							
AMGEN, INC.							
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of a total of sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a total of sheets.							
3. This report contains indica	ations relating to the following	items:					
I Basis of the repo	ort						
II Priority							
III Non-establishme	ent of report with regard to no	velty, inventive	e step and industrial applicability				
IV Lack of unity of	f invention						
<u> </u>	nent under Article 35(2) with r tations and explanations support	-					
VI Certain docume		<b>g</b>					
VII Certain defects							
VIII Certain observations on the international application							
Date of submission of the demand	Date	of completion	of this report				
08 December 2003 (08.12.2003)	08 Fe	08 February 2005 (08.02.2005)					
Name and mailing address of the IPEA/U Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Jaho	orized officer Zata ohone No. (571)	MICH (272-1600)				
Form PCT/IPEA/409 (cover sheet)(July 19	998)	<del></del>					



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International approation No.

PCT/US03/18499

	1.	Basi	s of the report
	1.	With	regard to the elements of the international application:*
		$\boxtimes$	the international application as originally filed.
		$\boxtimes$	the description:
			pages 1-65 as originally filed
			pages NONE, filed with the demand  pages NONE, filed with the letter of
١		$\square$	
			the claims: pages 66-68 , as originally filed
			pages NONE , as amended (together with any statement) under Article 19
			pages NONE, filed with the demand
		<del></del>	pages NONE, filed with the letter of
١		$\boxtimes$	the drawings:
-			pages 1-53, as originally filed pages NONE, filed with the demand
			pages NONE , filed with the letter of
		$\boxtimes$	the sequence listing part of the description:
			pages 1-33 , as originally filed
ı			pages NONE , filed with the demand pages NONE , filed with the letter of
	2	With	regard to the language, all the elements marked above were available or furnished to this Authority in the
ĺ		langı	regard to the language, and the elements harked above were available of furnished to this Addiotry in the large in which the international application was filed, unless otherwise indicated under this item.  e elements were available or furnished to this Authority in the following language which is:
			the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
			the language of publication of the international application (under Rule 48.3(b)).
			the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
			n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
I		$\boxtimes$	contained in the international application in printed form.
		冈	filed together with the international application in computer readable form.
		同	furnished subsequently to this Authority in written form.
		$\Box$	furnished subsequently to this Authority in computer readable form.
			The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
			The statement that the information recorded in computer readable form is identical to the written sequence listing
			has been furnished.
	4.	Ш	The amendments have resulted in the cancellation of
			the description, pages NONE
١			the claims, Nos. NONE
			the drawings, sheets/fig NONE
	5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
	this	repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in rt as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.
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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Form PCT/IPEA/409 (Box V) (July 1998)

International appacation No. PCT/US03/18499

1. STATEMENT	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Novelty (N)	Claims	1-57	YES				
	Claims		NO				
Inventive Step (IS)	Claims		YES				
	Claims	NONE	NO				
Industrial Applicability (IA)	Claims	1.57	YES				
industrial Applicationity (1A)	Claims		NO NO				
	Claim						
an be made or used in industry.  NEW CITATIONSNONE							